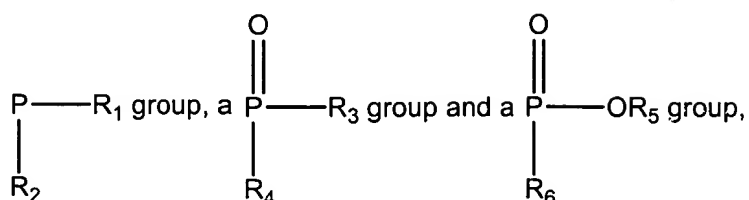


chosen from the compounds in which

(i) m has the value 1, 2 or 3 and

W is selected from the group consisting of



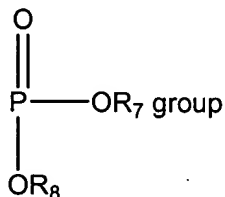
in which

R_1 , R_2 , R_3 and R_4 independently are selected from the group consisting of a hydrogen atom, a C_1 - C_{20} alkyl group and an optionally substituted aryl group,

R_5 and R_6 independently are selected from the group consisting of a hydrogen atom, a C_1 - C_{20} alkyl group or an optionally substituted aryl group, with the proviso that, when R_5 represents a hydrogen atom, R_6 is other than a phenyl group when m has the value 1;

(ii) m has the value 3 and

W represents a



in which

R_7 and R_8 independently are selected from the group consisting of a hydrogen atom, a C_1 - C_{20}

alkyl group and an optionally substituted aryl group;

(iii) m has the value 1 and W represents a $\text{CH}(\text{OH})\text{CH}_2\text{OH}$ group;

(iv) W represents a Y-Z group chosen from

(1) a Y-Z group in which

Y represents an oxygen atom and

Z is selected from the group consisting of a $\text{CH}_2\text{CH}_2\text{OH}$ group and a CH_2COOH group and

m has the value 1, 2 or 3

(2) a Y-Z group in which

Y represents an oxygen atom and

Z represents a COCH_3 group, and

m has the value 1 or 3

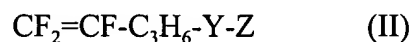
(3) a Y-Z group in which

Y represents a sulphur atom and

Z is selected from the group consisting of a hydrogen atom, a $\text{CH}_2\text{CH}_2\text{OH}$ group, a CH_2COOH group and a COCH_3 group, and

m has the value 3.

21. The compound according to claim 20, wherein the compound of formula I corresponds to the compound of the formula II

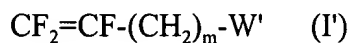


in which Y-Z represents a Y-Z group as defined in claim 20.

22. The compound according to claim 20, wherein the compound of formula I corresponds to the compound of the formula



23. A copolymerization process which comprises reacting a compound corresponding to the formula I'

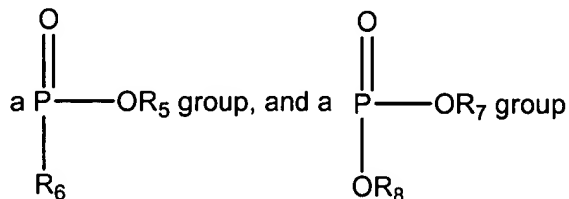
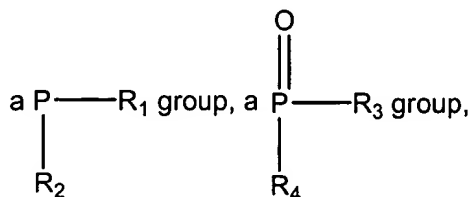


in which

m has the value 1, 2 or 3,

W' is selected from the group consisting of

- (i) W' is selected from the group consisting of a $\text{CH}(\text{OH})\text{CH}_2\text{OH}$ group, a $\text{CH}=\text{CH}_2$ group,



in which

$\text{R}_1, \text{R}_2, \text{R}_3, \text{R}_4, \text{R}_5, \text{R}_6, \text{R}_7$ and R_8 independently are selected from the group consisting of a hydrogen atom, a $\text{C}_1\text{-C}_{20}$ alkyl group and an optionally substituted aryl group or

- (ii) W' represents a Y-Z group chosen from

a Y-Z group in which

Y represents an oxygen atom and

Z is selected from the group consisting of a $\text{CH}_2\text{CH}_2\text{OH}$ group, a CH_2COOH group and

a COCH_3 group, and

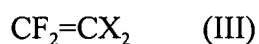
(iii) W' represents a Y-Z group chosen from

a Y-Z group in which

Y represents a sulphur atom and

Z is selected from the group consisting of a hydrogen atom, a $\text{CH}_2\text{CH}_2\text{OH}$ group, a CH_2COOH group and a COCH_3 group,

with a compound corresponding to the formula III

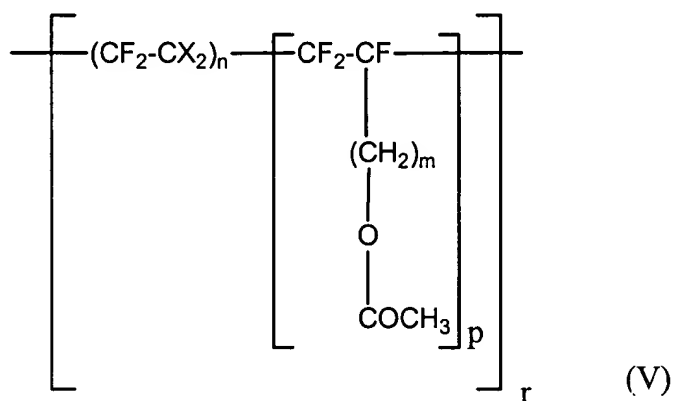


in which

X independently is selected from the group consisting of a hydrogen atom and a fluorine atom,

so as to obtain a fluorocopolymer.

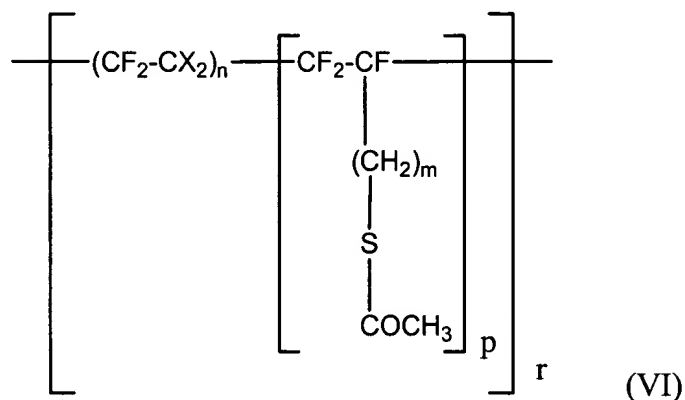
24. The copolymerization process according to claim 23, in which Y represents an oxygen atom, Z represents a COCH_3 group and the copolymer obtained corresponds to the formula V



wherein n, p and r independently representing natural integers.

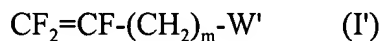
25. The copolymerization process according to claim 23, in which Y represents a sulphur atom,

Z represents a COCH_3 group and the copolymer obtained corresponds to the formula VI



wherein n, p and r independently representing natural integers.

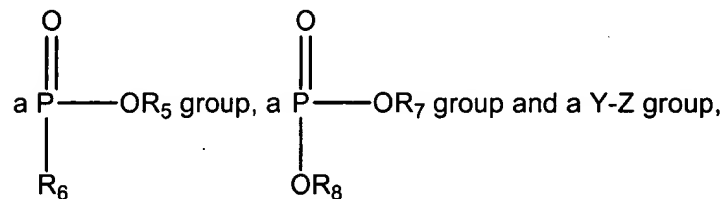
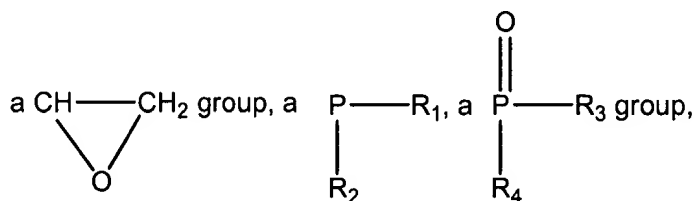
26. A copolymerization process which comprises reacting a compound corresponding to the formula I'



in which

m has the value 1, 2 or 3,

W' is selected from the group consisting of a $\text{CH}(\text{OH})\text{CH}_2\text{OH}$ group, a $\text{CH}=\text{CH}_2$ group,



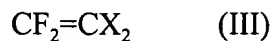
in which

$R_1, R_2, R_3, R_4, R_5, R_6, R_7$ and R_8 independently are selected from the group consisting of a hydrogen atom, a C_1 - C_{20} alkyl group and an optionally substituted aryl group,

Y is selected from the group consisting of an oxygen atom and a sulphur atom
and

Z is selected from the group consisting of a hydrogen atom, a CH_2CH_2OH group, a CH_2COOH group and a $COCH_3$ group,

with a compound corresponding to the formula III

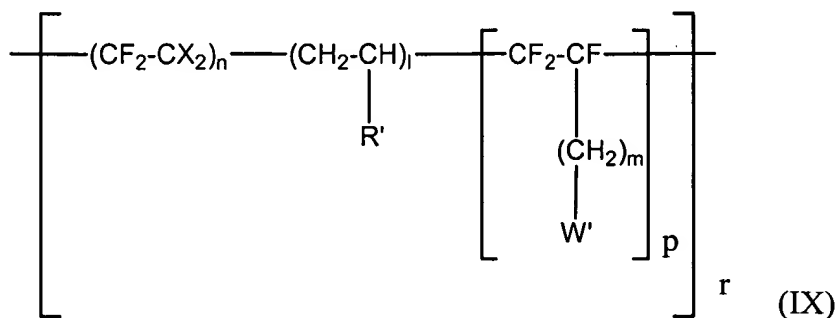


in which

X independently is selected from the group consisting of a hydrogen atom and a fluorine atom,

and with an olefinic compound of formula $CH_2=CH-R'$ in which R' is selected from the group consisting of a hydrogen atom and a C_1 - C_4 alkyl group,

so as to obtain a copolymer corresponding to the formula IX



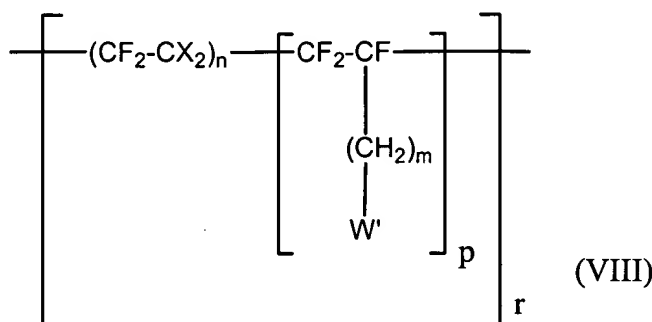
in which

l, n, p and r independently represent natural integers.

27. The process according to claim 26, wherein Z is selected from the group consisting of a

CH₂CH₂OH group, a CH₂COOH group and a COCH₃ group.

28. The process according to claim 26, wherein the olefinic compound is propylene.
29. The process according to claim 27, wherein the olefinic compound is propylene.
30. A method for forming fluoroelastomers which comprises using the process according to claim 26.
31. A copolymer corresponding to the formula VIII



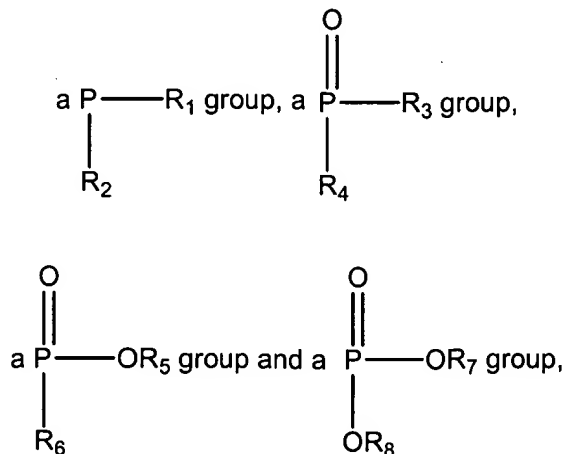
in which

m has the value 1, 2 or 3,

X independently is selected from the group consisting of a hydrogen atom and a fluorine atom,

n, p and r independently represent natural integers, and

W' is selected from the group consisting of a CH(OH)CH₂OH group, a CH=CH₂ group,



in which

$R_1, R_2, R_3, R_4, R_5, R_6, R_7$ and R_8 independently are selected from the group consisting of a hydrogen atom, a C_1 - C_{20} alkyl group and an optionally substituted aryl group and a Y-Z group chosen from

(1) a Y-Z group in which

Y represents an oxygen atom and

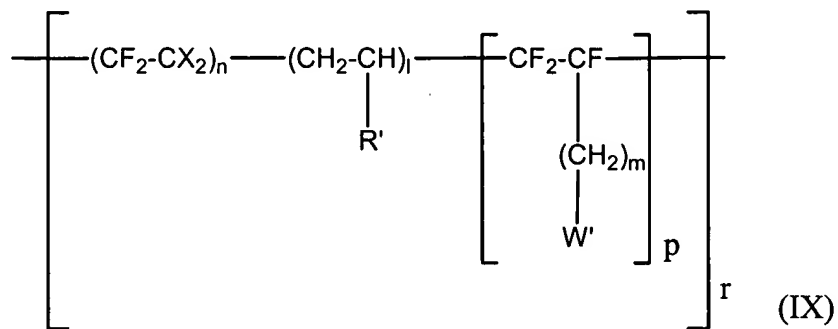
Z is selected from the group consisting of a CH_2CH_2OH group, a CH_2COOH group and a $COCH_3$ group,

(2) a Y-Z group in which

Y represents a sulphur atom and

Z is selected from the group consisting of a hydrogen atom, a CH_2CH_2OH group, a CH_2COOH group and a $COCH_3$ group.

32. The copolymer according to claim 31, in which Y represents an oxygen atom and Z represents a $COCH_3$ group.
33. The copolymer according to claim 31, in which Y represents a sulphur atom and Z represents a $COCH_3$ group.
34. A copolymer corresponding to the formula IX



in which

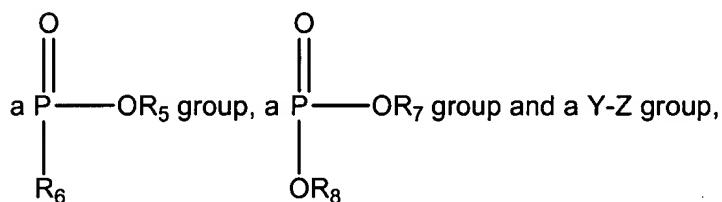
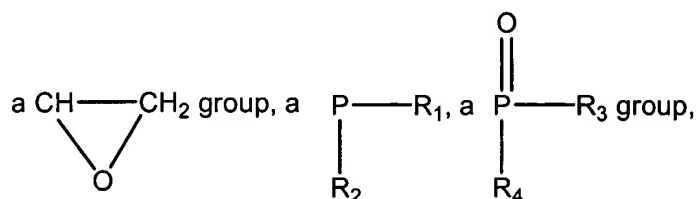
m has the value 1, 2 or 3,

X independently is selected from the group consisting of a hydrogen atom and a fluorine atom,

l, n, p and r independently represent natural integers,

R' is selected from the group consisting of a hydrogen atom and a C₁-C₄ alkyl group and

W' is selected from the group consisting of a CH(OH)CH₂OH group, a CH=CH₂ group,



in which

R₁, R₂, R₃, R₄, R₅, R₆, R₇ and R₈ independently are selected from the group consisting of a hydrogen atom, a C₁-C₂₀ alkyl group and an optionally substituted aryl group,

Y is selected from the group consisting of an oxygen atom and a sulphur atom and

Z is selected from the group consisting of a hydrogen atom, a CH₂CH₂OH group, a CH₂COOH group and a COCH₃ group.

35. A crosslinking process comprising the stages of

a) optional deprotection of the functional groups of copolymers according to claim 34,